

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named

Inventor : Kaoru Okumura

Appln. No. : 10/706,124

Filed : November 12, 2003

For : EXPANDED KEYWORD SEARCH

Docket No.: M61.12-0548

Group Art Unit:

Examiner:

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I HEREBY CERTIFY THAT THIS PAPER IS BEING
SENT BY U.S. MAIL, FIRST CLASS, TO THE
COMMISSIONER FOR PATENTS, P.O. BOX 1450,
ALEXANDRIA, VA 22313-1450, THIS

10th DAY OF MARCH, 2004
Christopher L. Hale
PATENT ATTORNEY

Sir:

The patents, publications and other art listed on the
enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97.
Copies of the patents or publications cited are enclosed.

TIME OF FILING

The information disclosure statement is being filed:

1. X with the application or within three months of the
filing date of the application or date of entry into
the national stage of an international application or
before the mailing date of a first Office action on
the merits, whichever event occurs last. In
accordance with 37 C.F.R. § 1.97(b), no statement or
fee is required.
2. after the time period specified in paragraph 1 above,
but before the mailing date of a final action under 37
C.F.R. § 1.113 or notice of allowance under 37 C.F.R.
§ 1.311. Therefore, in accordance with 37 C.F.R. §
1.97(c), submitted herewith is:

(check either A or B below)

- A. a statement as specified in 37 C.F.R. § 1.97(e).
- B. the fee set forth in 37 C.F.R. § 1.17(p) for

submission of an information disclosure statement under 37 C.F.R. § 1.97(c).

3. _____ after the mailing date of either a final action under 37 C.F.R. § 1.113 or a notice of allowance under 37 C.F.R. § 1.311, whichever occurs first, but before payment of the issue fee. Therefore, Applicant petitions for consideration and submits herewith:
- A. a statement as specified in 37 C.F.R. § 1.97(e);
 - B. the petition fee set forth in 37 C.F.R. § 1.17(p).

STATEMENT

(only used if No. 2(A) or No. 3 above is checked)

The person(s) signing below certify

(check appropriate paragraph)

_____ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. 37 C.F.R. § 1.97(e)(1).

OR

_____ that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement. 37 C.F.R. § 1.97(e)(2).

METHOD OF PAYMENT

 X No fee is required.

 Attached is a check in the amount of \$.


The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123. A duplicate copy of this communication is enclosed.

Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

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CLH/rkp

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| FORM PTO-1449 | Atty. Docket No.: M61.12-0548 | Appl. No.: 10/706,124 |
|  <p>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</p> | First Named Inventor: | |
| | Kaoru Okumura | |
| | Filing Date | Group Art: |
| | November 12, 2003 | |

U.S. PATENT DOCUMENTS

| Examiner Initial | Document No. | Date | Name | Class | Sub Class | Filing Date If Appropriate |
|------------------|--------------|------|------|-------|-----------|----------------------------|
| AA | | | | | | |

FOREIGN PATENT DOCUMENTS

| | Document No. | Date | Country | Class | Sub Class | Translation Yes No |
|----|--------------|------|---------|-------|-----------|--------------------|
| AB | | | | | | |

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|--|
| AC | Hang Cui; Ji-Rong Wen; Jian-Yun Nie; Wei-Ying Ma; "Quer Expansion by Mining User Logs" Knowledge and Data Engineering, IEEE Transactions, Vol. 15, Issue: 4, July-Aug. 2003, pgs. 829-839 |
| AD | Zukerman, I.; Raskutti, B.; Yingying Wen; "Query Expansion and Query Reduction in Document Retrieval" Tools with Artificial Intelligence, 2003. Proceedings. 15th IEEE International Conference 3-5 November 2003. Pgs. 552-559. |
| AE | Akrivas, G.; Wallace, M.; Andreou, G.; Stamou, G.; Kollias, S.; "Context-Sensitive Semantic Query Expansion", Artificial Intelligence Systems, 2002 (ICAIS 2002). 2002 IEEE International Conference, 5-10 Sept. 2002. Pgs. 109-114. |
| AF | Jie Wei; Bressan, S.; Beng Chin Ooi; "Mining Term Association Rules for Automatic Global Query Expansion: Methodology and Preliminary Results", Web Information Systems Engineering, 2000. Proceedings of the First International Conference, Vol. 1, 19-21 June 2000. Pgs. 366-373, vol. 1. |
| AG | Maeda, Y.; "The Optimal Algorithm for Query Refinement in Information Retrieval", Systems, Man, and Cybernetics, 1999. IEEE SMC '99 Conference Proceedings. IEEE International Conference Vol. 5, 12-15 Oct. 1999, pgs. 522-526 vol. 5 |
| AH | Jae-Hyun Lim; Hyon-Woo Sueng; Jun Hwang; Young-Chan Kim; Heung-Nam; "Query Expansion for Intelligent Information Retrieval on Internet" Parallel and Distributed Systems, 1997. Proceedings., 1997 International Conference 10-13 Dec. 1997 pgs. 656-662. |
| AI | Walker, David. "Query Expansion Using Thesauri: Previous Approaches and Possible New Directions", IS-242: Information Retrieval Systems, U of Cal.-Los Angeles. June 12, 2001. |
| AJ | |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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|---------------------|-----------------|------|------|-------|--------------|-------------------------------|
| AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| | Document No. | Date | Country | Class | Sub Class | Translation Yes No |
|----|--------------|------|---------|-------|--------------|-----------------------|
| AL | | | | | | |

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|---|
| AM | Cooper, J.; Byrd, Roy.; "OBIWAN-A Visual Interface for Prompted Query Refinement" IBM Thomas J. Watson Research Center. IEEE. Submitted for Presentation at HICCS-31. 1998 |
| AN | Jacquemin, Christian. "Syntagmatic and Paradigmatic Representations of Term Variation" University of Maryland, June 20-26, 1999. Pgs. 341-348 |
| AO | Story, Roger E. Bell. "An Explanation of the Effectiveness of Latent Semantic Indexing By Means of a Bayesian Regression Model", Bell Communications Research (BellCore), 1996. |
| AP | |
| AQ | |
| AR | |
| AS | |
| AT | |

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